C1. General Design

C1.1 Overview

C1.2 Definitions

C1.3 Abbreviations and notation

C1.4 References

C1.4.1 Direct

C1.4.2 Indirect

C1.5 Americans with Disabilities Act

C1.5.1 Sidewalks, trails, and shared use paths

C1.5.2 Pedestrian overpasses

C1.5.3 Other bridge-related facilities

C1.6 Buy America Provisions

C1.7 Bridge layout

C1.7.1 Profile grade line

C1.7.2 Slope

C1.7.3 Spiral curve

C1.8 Bridge plan preparation

C1.8.1 Title sheet

C1.8.1.1 Engineers seals

C1.8.1.2 Traffic data

C1.8.2 First sheet

C1.8.2.1 Bid items and quantities

C1.8.2.2 General notes

C1.8.3 Situation plan

C1.8.4 Staking diagram

MM No. 85, Layout for bridges on four lane highways, 30 January 2004

C1.8.5 Substructure general

C1.8.6 Pier details

C1.8.7 Abutment details

C1.8.8 Superstructure general

C1.8.8.1 CWPG

C1.8.8.2 PPCB

C1.8.9 Repair/overlay details

C1.8.10 Miscellaneous details

C1.8.10.1 Barrier rails

C1.8.10.2 Expansion devices

C1.8.10.3 Subdrains

C1.8.10.4 Slope protection

C1.8.10.5 Lighting

C1.8.10.6 Approach sidewalk

C1.8.10.7 Other

C1.8.11 Aesthetics

C1.8.12 Soils sheets

C1.8.13 Roadway plans

C1.8.14 Signed standard plans

C1.9 Culvert plan preparation

C1.9.1 Title sheet

C1.9.2 First sheet

C1.9.3 Situation plan

C1.9.4 Repair/extension project details

C1.9.5 Reinforced concrete

C1.9.6 Roadway plans

C1.9.7 Signed standard plans

C1.10 Sign structure and other plan preparation

C1.11 Quality control/quality assurance plan

C1.11.1 Design team

C1.11.2 Plan preparation tools

C1.11.3 Quality control

C1.11.3.1 Designer

C1.11.3.2 Design technician

C1.11.3.3 Checker

C1.11.4 Project documentation

C1.11.5 Quality assurance

Quality Control/Quality Assurance Record

Project Description:

Project Number:

Design Number:

File Number:

Design Team	Name	PE Number	Signature
Transportation Engineer Manager (TEM)			
Designer:			
Technician:			
Checker:			
Engineer of Record (EOR):			
Hydraulic Design Engineer:			

Design Parameters (Complexity)

Alignment: Straight ____ Curved _____

Superstructure: CCS (std) ____ CCS (dsn) ____ PPCB (std) ____ PPCB (dsn) ____

RSS (std) ____ RSS (dsn) ____ CWPG _____

RCB (std) ____ RCB (dsn) ____ MISC (std) _____ MISC (dsn) ____

Substructure: Integral Abutment ____ Stub Abutment ____

Pile Bent Pier ____ Frame Pier ___ T-Pier ____ Wall Pier ____

C1.11.6 Post-letting environment

C1.12 Cost estimates

C1.13 Software

C1.14 Plan turn-in

C1.14.1 Plan coordination

C1.14.2 Prior to plan turn-in

C1.15 Plan changes

C1.16 Plan revisions

C1.17 Shop drawings

Obsolete: Methods Memo No. 34: New Standard Specifications
11 July 2001

Obsolete: Methods Memo No. 157: HS25 Loading on Substructures
4 January 2007